



# Texas-New Mexico Power

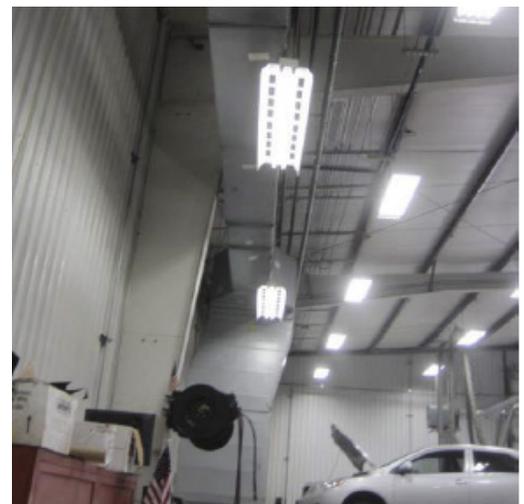
## Energy Efficiency Programs Bulletin



VOLUME 3, ISSUE 2 | SPRING 2013

### New and Improved Lighting at DeMontrond!

A big lighting change for DeMontrond has saved it 61,759 kilowatt-hours and \$6,175 annually in energy costs. This was achieved by upgrading all interior LTG. But DeMontrond didn't stop there! It went bigger and brighter by also upgrading its outdoor LTG. The final numbers aren't in yet, but the outdoor lighting project has an estimated savings of 328,387 kilowatt-hours, and an annual energy savings that could be greater than \$32,000!



Texas-New Mexico Power offers the SCORE® Program to provide viable energy optimization for school districts, colleges and universities. Designed to educate institutions on energy management and encourage investment in energy efficiency, this program helps partners minimize the impact of volatile energy costs, ease budget pressures, improve infrastructure and optimize learning environments for students.

The CitySmart® Program helps local government entities enhance energy efficiency, lower operating costs, improve air and environmental quality, and meet legislative and regulatory requirements.

Similar to SCORE and CitySmart, the TNMP Commercial Solutions Program provides technical and financial support to help commercial and industrial organizations identify and implement energy efficiency upgrade projects.

For more information about the SCORE, CitySmart and Commercial Solutions Programs, contact TNMP Project Manager Stefani Case at (469) 484-8590 or [stefani.case@tnmp.com](mailto:stefani.case@tnmp.com).

The programs are sponsored by Texas-New Mexico Power and administered by CLEARResult. You can reach CLEARResult at (877) 338-8667 or [tnmp@CLEARResult.com](mailto:tnmp@CLEARResult.com).

Visit us online: <http://eeprograms.net/tnmp>

# PARTNER SUCCESS

From January - April, the following partners were awarded for energy efficiency savings:

City of Princeton  
\$310.20



Rivercrest ISD  
\$4,983.00



TNMP West Offices  
\$260.70



DeMontrond Dealerships  
\$2,767.18



Gulf Coast Auto  
\$7,182.70



National Switch Gear  
\$301.80



Angleton ISD  
\$2,122.36



Gay Family Buick GMC  
\$2,339.70



Gulf Coast Auto  
\$22,205.10



Grand Total  
\$42,472.74

## Congratulations Partners!

## When To Use Full or Simplified M&V

When a project is submitted to the Program, a method of documenting the energy savings must be identified. If the specific measure is not covered by one of the program's standard deemed savings measures, or if a more detailed savings analysis is preferred over deemed savings, the project must have either simplified or full M&V completed to earn incentive dollars.

### Important M&V Steps:

1. Submit an M&V plan to the Program for approval before beginning the project
  - The plan should detail the methodology intended for calculating savings (e.g. IPMVP, options A,B, C, or D)
2. Submit an M&V report after sufficient post-installation monitoring has taken place and final savings estimates can be determined.
  - A professional engineer must certify final savings calculations

The program participant or an appointed representative is responsible for producing the M&V plan and report. Sample M&V plans and templates are available to assist in the process, however, neither TNMP nor the program implementer can complete these two required documents.

### Where To Find More Information:

- Efficiency Valuation Organization: <http://www.evo-world.org/>
- Deemed Savings forms are available from your program representative
- A sample M&V plan is included in the Program Manual

## Choosing the Right Light Fixture: T5 versus T8

When it comes to installing a fluorescent lighting system for a school or an office, should you use T5s or T8s? There are several factors to consider:

### COST

The table illustrates that both fixture types have a similar lumen output, but T5s use more energy.

Fixture Type	Total Watts	Mean Lumen Output	Ballast Factor	Fixture Efficacy (MLPW)
2-Lamp HP T8	48	4,543	.77	94.6
2-Lamp 28W T5	63	4,682	.95	74.3

### EFFECTS OF AMBIENT TEMPERATURE ON LIGHT OUTPUT

Temperature affects the light output of fluorescent lamps. T5 and T5 high output (T5HO) lamps are designed to produce maximum light output at 35°C (95°F) and can take advantage of the heat that builds up in compact enclosed fixtures. The light output of T8 lamps is optimal at a temperature of 25°C (77°F) and in open luminaries, ventilation may produce a more optimal temperature for T8 performance.

## Financing 101

The benefits of energy efficiency far outweigh the costs to implement projects. Don't let financing be a roadblock to making improvements. There are many financing solutions available—and at least one that's right for you and your organization. Your program representative can help you identify the right financing option—leasing, bonds, grants, loans or performance contracts. Here's a list of resources to start with:

**State Energy Conservation Office**

**SECO LoanSTAR Program**

**Texas Bond Review Board**